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NEBL / nebulette Antibody (internal region)

Peptide-affinity purified goat antibody
Catalog # AF2975a

Specification

NEBL / nebulette Antibody (internal region) - Product Information

Application	**E**
Primary Accession	O76041
Other Accession	NP_998734.1, NP_001166955.1, 10529, 74103 (mouse)
Predicted	**Human, Mouse, Dog**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**0.5 mg/ml**
Isotype	**IgG**
Calculated MW	**116453**

NEBL / nebulette Antibody (internal region) - Additional Information

Gene ID 10529

Other Names
Nebulette, Actin-binding Z-disk protein, NEBL, LNEBL

Format
0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
NEBL / nebulette Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

NEBL / nebulette Antibody (internal region) - Protein Information

Name NEBL (HGNC:16932)

Function
Binds to actin and plays an important role in the assembly of the Z-disk. May functionally link sarcomeric actin to the desmin intermediate filaments in the heart muscle sarcomeres (PubMed:27733623). Isoform 2 might play a role in the assembly of focal adhesion (PubMed:15004028).

Cellular Location

[Isoform 2]: Cytoplasm

Tissue Location
Abundantly expressed in cardiac muscle, but not in skeletal or smooth muscle. Localized to Z-lines in cardiac cells and to dense bodies in nonmuscle cells. Isoform 2 is expressed in non-muscle cells such as in fibroblasts

NEBL / nebulette Antibody (internal region) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

NEBL / nebulette Antibody (internal region) - Images

NEBL / nebulette Antibody (internal region) - Background

This antibody is expected to recognize isoform 2 and isoform 3 (NP_998734.1; NP_001166955.1) only, but does not recognize isoform 1 (NP_006384.1).

NEBL / nebulette Antibody (internal region) - References

The nebulette repeat domain is necessary for proper maintenance of tropomyosin with the cardiac sarcomere. Bonzo JR, Norris AA, Esham M, Moncman CL, Exp Cell Res. 2008 Nov 15;314(19):3519-30. Epub 2008 Sep 16. PMID: 18823973